

## **ABSTRACT**

A hand-held ultraviolet germicidal system, pen light sized. Includes an ultraviolet lamp that is enclosed in a quartz cover operated by ballast circuitry, which is powered by batteries that incorporates a timing circuit and a safety circuit. The circuitry that is powered by batteries operates a ballast which powers a UV lamp, only after the continuity of an adult hand is sensed. The unit is then held over the target area for a predetermined time for the results.